V C Y Q L P V L P L D R P V P Q H V L S R R G A I S F S S S A L F G C P N P R Q L S Q h7A1.pro I T L I W C L A L V L I K W I T S K mou 7A2.pro I T L I W C L A L S K mou 7A2.pro	AISYDSSDQTALYIRMLGDVRVRSRAGFESERRGSHPYIDFRIFHSQ h7A1.pro AISYDSSDQTALYIRMLGDVRVRSRAGFESERRGSHPYIDFRIFHSQ h7A2.pro AISYDSSDQTALYIRMLGDVRVRSRAGFETERRGSHPYIDFRIFHSQ mou7A2.pro	EVSVSARNIRRLLSFQRYLRSSRFFRGTAVSNSLNILDDDYNGQAKC h7A1.pro RVSVSARNIRRLLSFQRYLRSSRFFRGTAVSNSLNILDDDYNGQAKC h7A2.pro RASVSARNIRRLLSFQRYLRSSRVFRGATVCSSLDILDRDYNGQAKC mou7A2.pro	K V G N W N F D I F L F D R L T N G N S L V S L T F H L F S L H G L I E Y F H L D M M K L R R h7A2.pro K V G N W N F D I F L F D R L T N G N S L V S L T F H L F S L H G L I E Y F H L D M V K L R R mou7A2.pro K V G N W N F D I F L F D R L T N G N S L V S L T F H L F S L H G L I E Y F H L D M V K L R R rat7a.pro	MIQEDYHSQNPYHNAVHAADVTQAMHCYLKEPKLANSVTPWDILLSL h7A1.pro MIQEDYHSQNPYHNAVHAADVTQAMHCYLKEPKLANSVTPWDILLSL h7A2.pro MIQEDYHSQNPYHNAVHAADVTQAMHCYLKEPKLASSVTPWDILLSL mou7A2.pro MIQEDYHSQNPYHNAVHAADVTQAMHCYLKEPKLANSVTPWDILLSL rat7a.PRO
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FIGURE 1

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G, LFSHLPLESROOMETOIGALILATDISRONEYLSLFRS G, LFSHLPLESROOMETOIGALILATDISRONEYLSLFRS GLFSHLPLESROEMEAOIGALILATDISRONEYLSLFRS		띧	]ה ה	гигрр
G, LFSHLPLESROOMETOIGALILATDISRONEYLSLFRS G, LFSHLPLESROOMETOIGALILATDISRONEYLSLFRS GLFSHLPLESROEMEAOIGALILATDISRONEYLSLFRS	DRGD	DRGD	DKGD	DKGD
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G,LFSHLPLESROOMET G,LFSHLPLESROOMET GLFSHLPLESROEMEA G'LFSHLPLESRHEMEA	TSTA	ISTAS	IVLSL	YLS
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G,LFSHLPLESROOMET G,LFSHLPLESROOMET GLFSHLPLESROEMEA G'LFSHLPLESRHEMEA	K	GALI	GALI	GALI
G,LFSHLPLESRQ G,LFSHLPLESRQ GLFSHLPLESRQ GLFSHLPLESRQ	M E T	E E	X	MEAQ
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347	321	321	293
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h7A1.pro	SIANIQIGFMTYLVEPLFTEWARFSNTRLSQTMLGHVGL h7A2.pro	SIANIQIGFMTYLVEPLFTEWARFSATRLSQTMLGHVGL moutaz.pto	SIANIQIGEMTYLOBPLFTEWARFSDTRLSQIMLGHVGL rat7a.PRO
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SIANIQIGEMTYLVEPLETEWARFSNTRLSQTMLG	S	SA	S
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447	421	421	393

h7A1.pro h7A2.pro mou7A2.pro rat7a.PRO

## FIGURE 1 (CONTINUED)

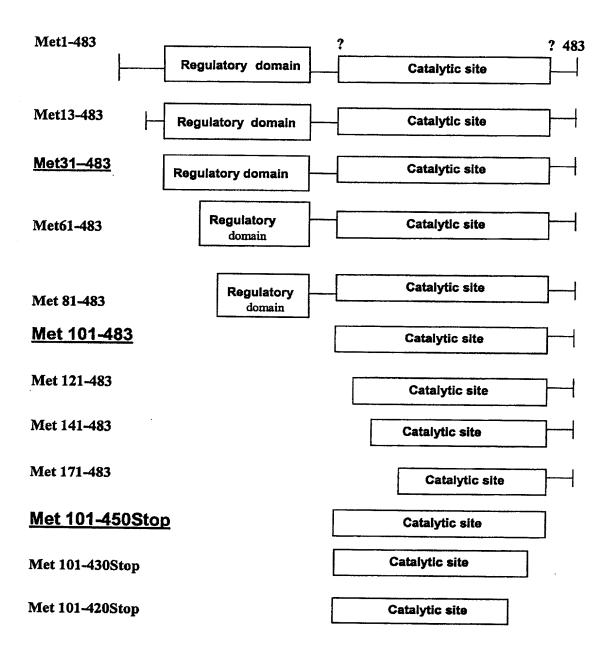


FIGURE 2

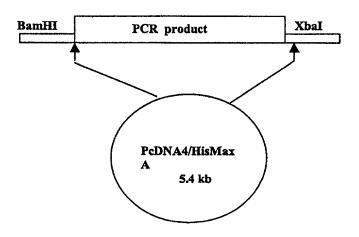
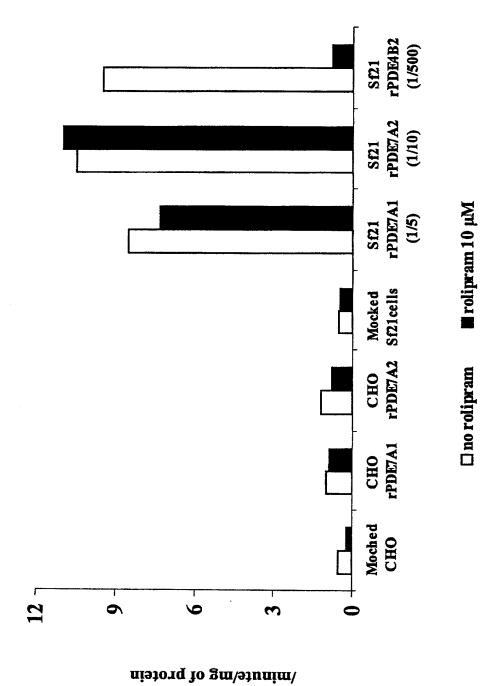


FIGURE 3



nmoles of hydrolyzed cAMI

FIGURE 4

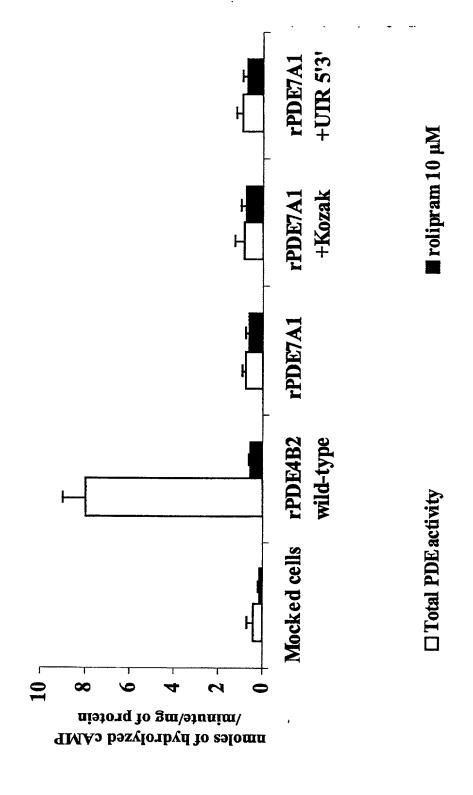


FIGURE 5

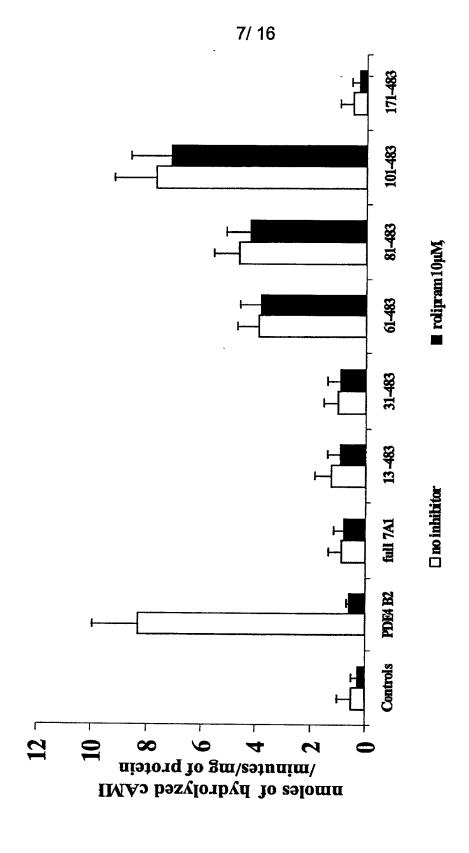


FIGURE 6

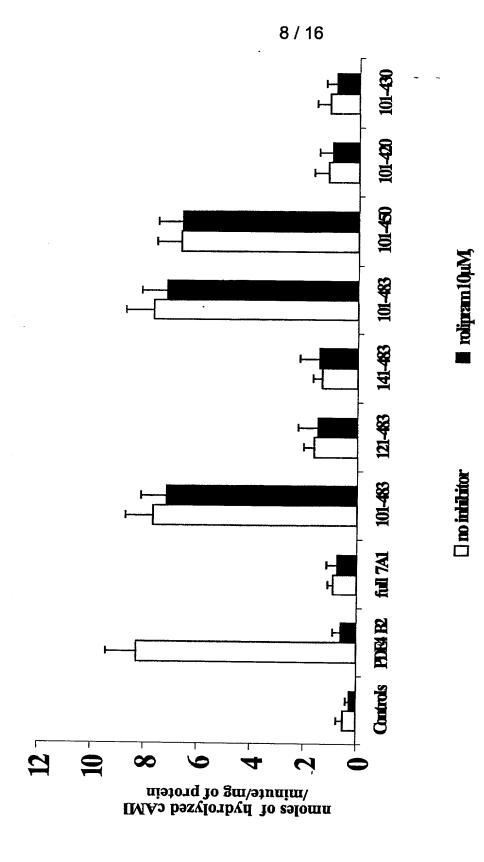
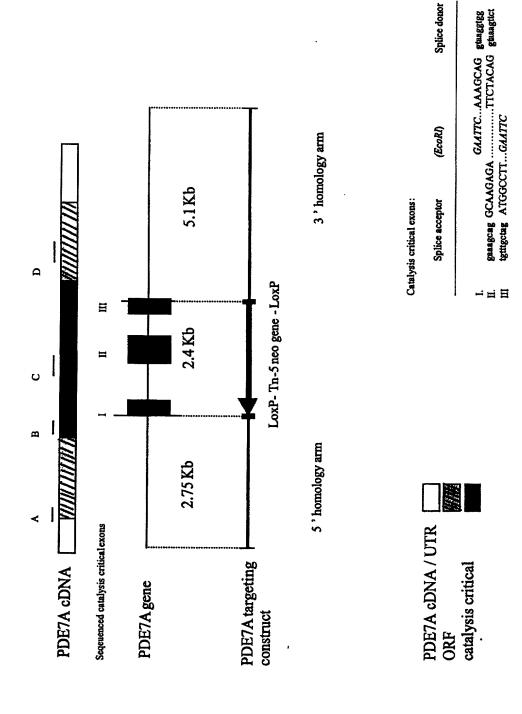


FIGURE 7



coding nucleotidesare in upper case, intronic sequence isin lower case, EcoRI site is in Italics

## FIGURE 8

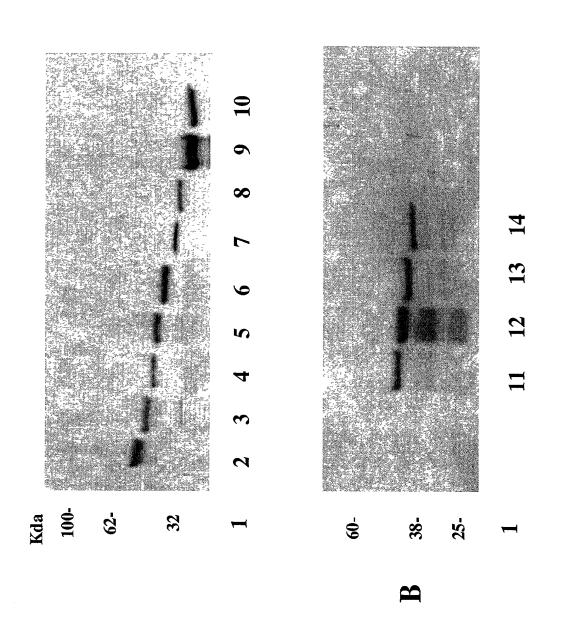


FIGURE 9

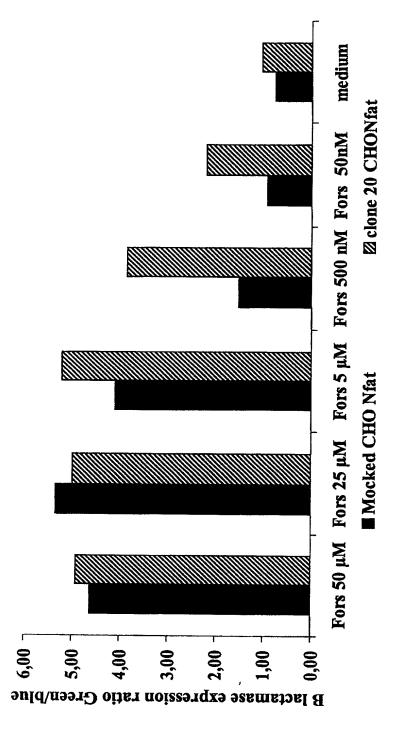


FIGURE 10

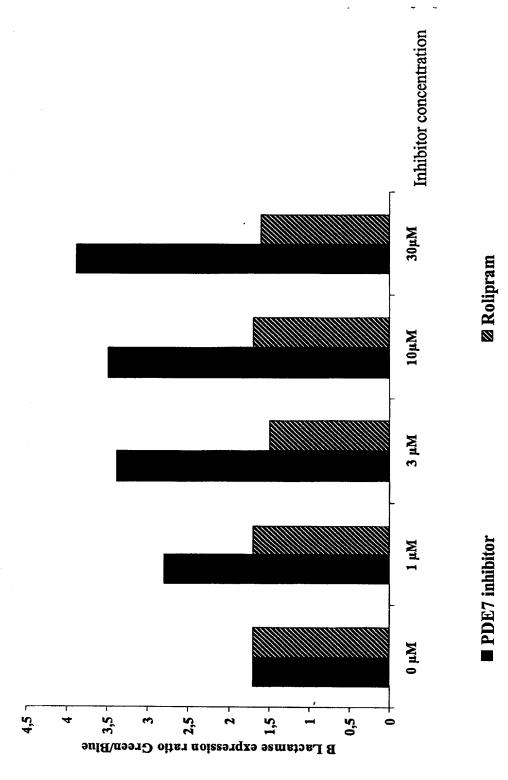
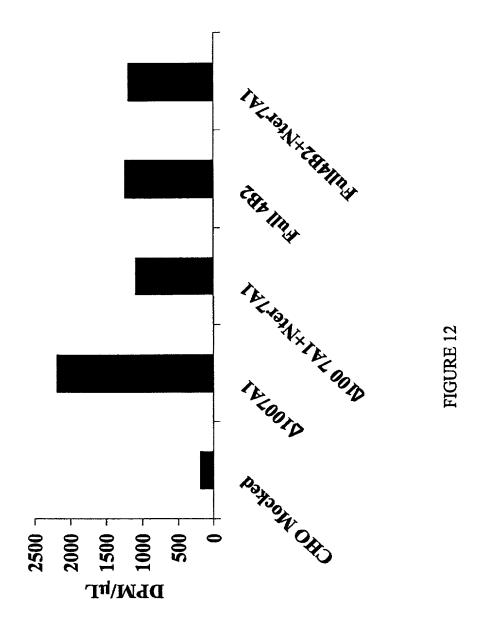
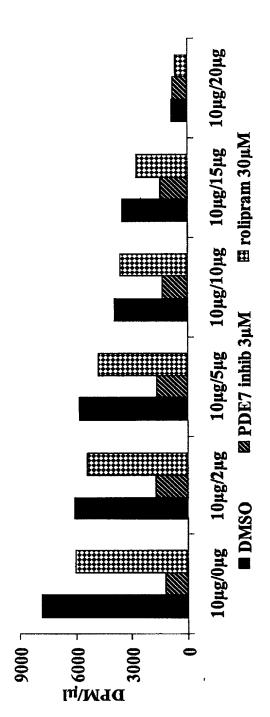


FIGURE 11





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Quantity of the amino acid fragment 101-482 of the human PDE7A1 over quantity of the amino acid fragment 1–101 of the human PDE7A1

FIGURE 13

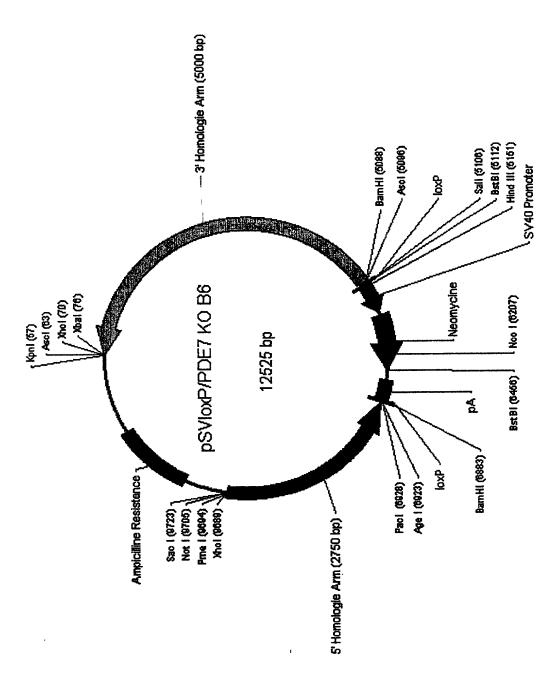


FIGURE 14

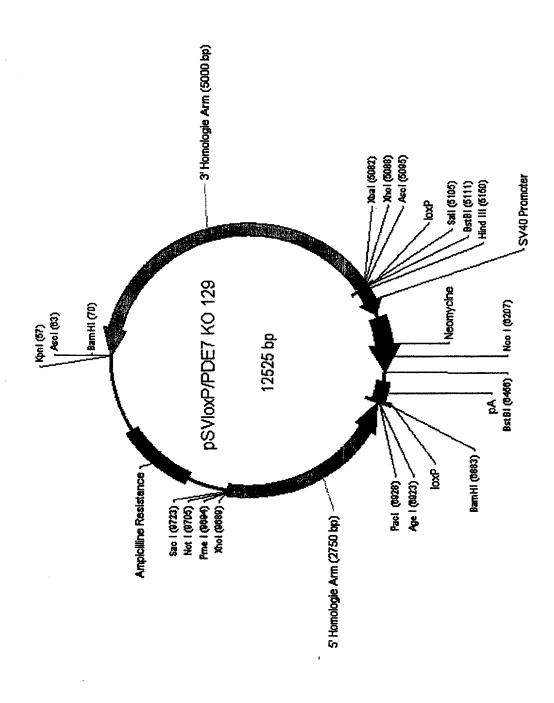


FIGURE 15